

31. An enzymatic nucleic acid molecule of claim 2 having one or more binding arm(s), wherein said binding arm(s) comprises a sequence that is complementary to any of the substrate sequences identified as SEQ ID NOs: 4611-4620.

Please amend the claims as follows:

3. (Amended) An enzymatic nucleic acid molecule of claim 2, wherein said enzymatic nucleic acid molecule comprises any of the DNAzyme sequences identified as SEQ ID NO: 1832-1841.
6. (Amended) The enzymatic nucleic acid molecule of claim 2, wherein said enzymatic nucleic acid is chemically synthesized.
7. (Amended) The enzymatic nucleic acid molecule of claim 2, wherein said enzymatic nucleic acid comprises at least one 2'-sugar modification.
8. (Amended) The enzymatic nucleic acid molecule of claim 2, wherein said enzymatic nucleic acid comprises at least one nucleic acid base modification.
9. (Amended) The enzymatic nucleic acid molecule of claim 2, wherein said enzymatic nucleic acid comprises at least one phosphate backbone modification.
14. (Amended) A mammalian cell including the enzymatic nucleic acid molecule of claim 2, wherein said mammalian cell is not a living human.
29. (Amended) The enzymatic nucleic acid molecule of claim 2, wherein said enzymatic nucleic acid comprises a cap structure, wherein the cap structure is at the 5'-end or 3'-end or both the 5'-end and the 3'-end.